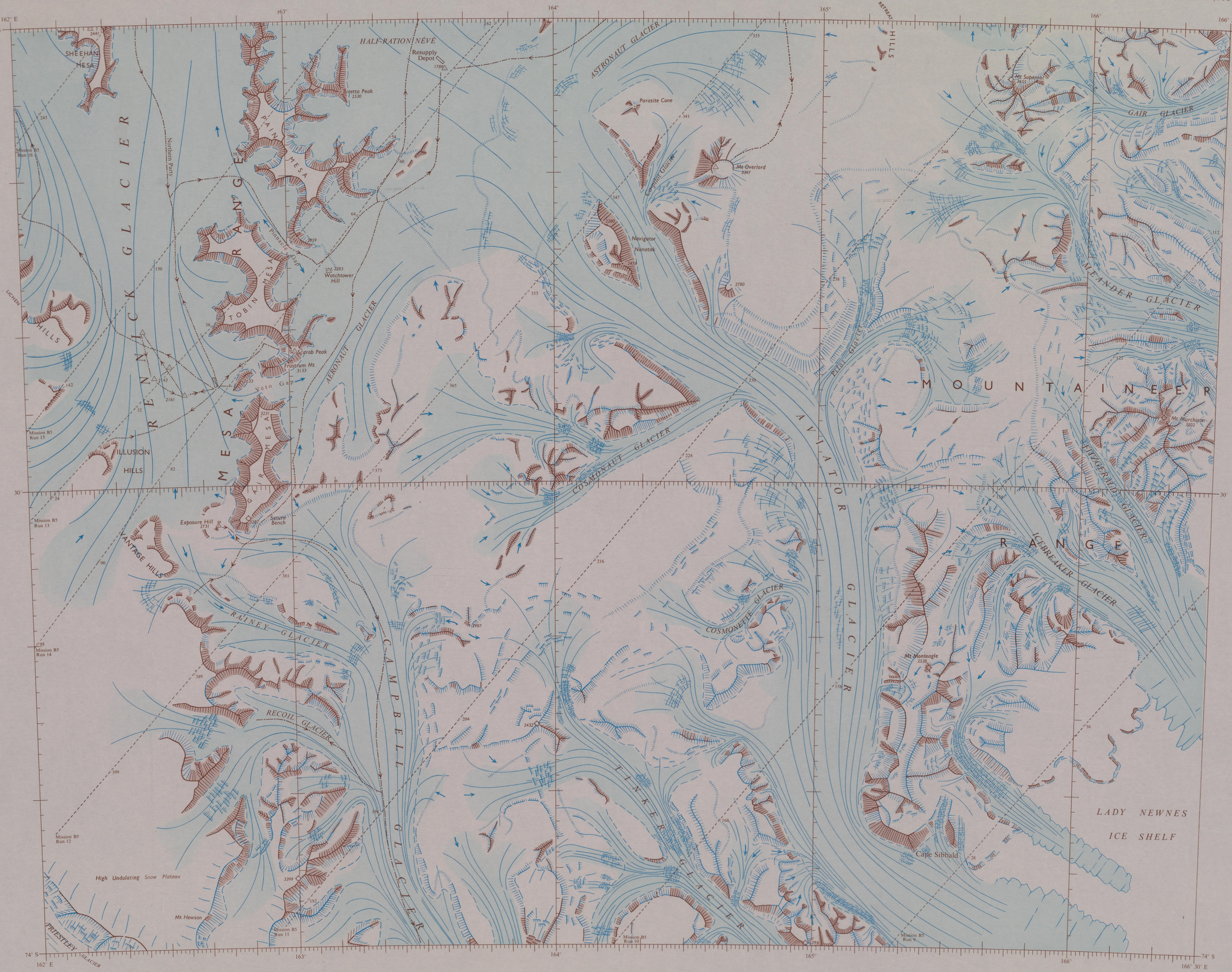
BORCHGREVINK COAST
ROSS DEPENDENCY–ANTARCTICA

MT MURCHISON

PROVISIONAL EDITION
SS 58–60, 5 1:250,000

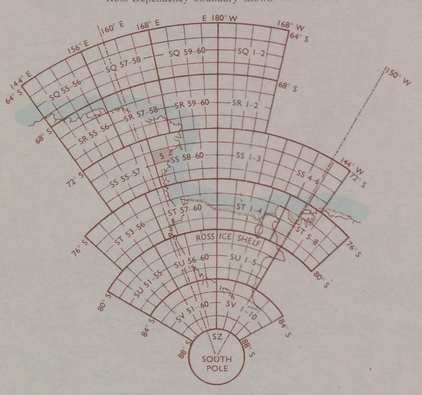


U.S. & N.Z. Astronomical Station
U.S. Tellurometer Station (occupied)
U.S. Intersected Station
N.Z. Astronomical Station
Trig Station
Intersected or resected points
Principal points of trimetrogen aerial photographs
Mission & Run — Mission 4A Run 3
Ice-free land
Ice covered land
Glaciers

Ridge lines
Glacier front
Moraine, Scree
Crevassed areas
Icefalls
Cliffs or bluffs
Coastline definite
Coastline indefinite
Height in Metres — 3500
Routes taken by field parties

LOCALITY DIAGRAM

Ross Dependency boundary shown



Sheet lines based on I.M.W. series.

PROJECTION

Polar Stereographic with Scale 1 : 250,000 at standard parallel 71° S. Lat.

SCALE

1 : 251,704 at 73° 30′ S. Lat.

Statute Miles 10 0 10 20
Kilometres 10 0 10 20 30 40
Nautical Miles 10 0 10 20

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COMPILATION

Compiled from ground surveys by:
New Zealand Geological & Survey Antarctic Expedition 1962–63 (Northern Party)
Leader: H. S. Gair
Surveyor: J. A. Tobin

and aerial photography:
Aerial photography supplied by U.S. Geological Survey and flown by U.S. Navy Vx–6 Squadron.

RELIABILITY

The positions of U.S. Geological Survey tellurometer traverse stations, established in 1961-62 in terms of Camp Area datum (Lat. 77° 50′ 52″·5 Long. 166° 40′ 13″·7) have been adopted for overall control purposes.

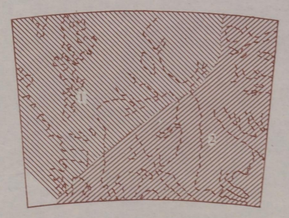
(1) N.Z. control stations have been fixed by astro observations and triangulation, adjusted to agree with one another and with the U.S.G.S. tellurometer traverse stations. Other points have been fixed by intersecting rays and photo theodolite panoramas from these control stations.

Additional details of ice formation and land form have been obtained from photo-theodolite panoramas and from U.S. aerial photography.

Heights have been determined by theodolite and aneroid barometer, checked against barometric readings supplied by support aircraft, and, where necessary, adjusted to agree with the heights of U.S.G.S. tellurometer traverse stations (datum: Mean sea level, McMurdo).

(2) Detail from U.S. aerial photography based on available limited control.

RELIABILITY DIAGRAM



FILE
BRANCH O.
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APR 1965

Refer to this map as:—
NZMS 166
SHEET
SS 58–60, 5